Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/01/2017 10:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123943	-1	2.50	123846	2.49
Blue	F	SSC	125000	123822	-1	2.99	124287	2.81
Blue	E	FITC	21625	20969	-4	2.74	927	10.15
Blue	D	PE	26832	26322	-2	2.37	943	9.77
Blue	B	PerCP-Cy5-5	48027	47460	-2	3.69	1370	16.60
Blue	A	PE-Cy7	40971	40566	-1	5.24	627	35.03
Red	C	APC	49746	48732	-3	2.73	2831	9.33
Red	A	APC-Cy7	53615	52540	-3	2.72	1093	11.38
Violet	B	V450	14488	13873	-5	5.22	663	9.62
Violet	A	V500	55123	53381	-4	5.07	2357	7.18

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17439	12.48	603	5	N/A	N/A	Pass
Blue	F	SSC	61060	2.21	534	0	N/A	N/A	Pass
Blue	E	FITC	105	37.07	535	-1	0.0215	99	Pass
Blue	D	PE	206	28.51	531	0	0.1624	223	Pass
Blue	B	PerCP-Cy5-5	215	45.48	631	2	0.0108	169	Pass
Blue	A	PE-Cy7	68	119.75	682	1	0.0123	20	Pass
Red	C	APC	329	27.90	589	-5	0.0209	110	Pass
Red	A	APC-Cy7	119	41.34	575	-5	0.0053	1636	Pass
Violet	B	V450	80	43.10	461	-10	0.0473	2035	Pass
Violet	A	V500	172	22.56	486	-10	0.0152	414	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.08	-30.88	0.94
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.32
Red	15.38	13.27 - 19.91	N/A	N/A	31.09	31.30	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9549

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments